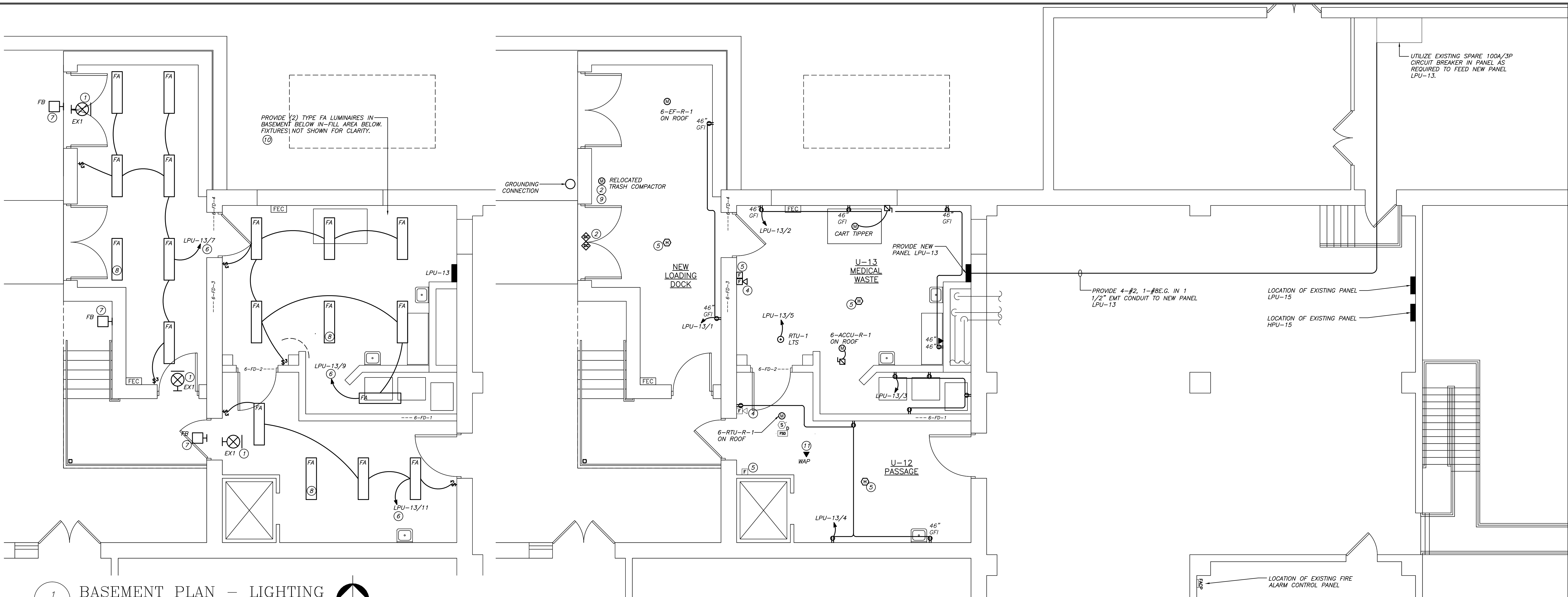


three inches = one foot
one and one-half inch = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



1
E201
BASEMENT PLAN - LIGHTING
SCALE: 1/4"=1'-0"

GENERAL NOTES:

- A. FIRESTOP ALL PENETRATIONS THROUGH FIRE AND SMOKE WALLS.
- B. ALL WIRING SHALL BE PLENUM RATED.
- C. FIRE ALARM DEVICES SHALL BE CONNECTED TO THE MAIN BUILDING FIRE ALARM CONTROL PANEL.
- D. COORDINATE ALL SHUTDOWNS WITH OWNER.
- E. PROVIDE BLANK COVERS, CUTTING, PATCHING AND FIRE SEAL AS REQUIRED WHERE EXISTING COMMUNICATION OR ELECTRICAL WORK HAS BEEN REMOVED AND WHERE NEW WORK IS INSTALLED.
- F. FOR ALL DEVICES SHOWN ON EXISTING WALLS TO REMAIN, FISH EXISTING WALL DRAWINGS AND OBSERVED SITE CONDITIONS. NOT ALL WIRING, CONDUIT, AND DEVICES ARE SHOWN. THE CONTRACTOR SHALL FIELD VERIFY CIRCUITING, ROUTING, AND EXACT QUANTITIES. THE CONTRACTOR SHALL DISCONNECT, REMOVE, AND DISPOSE OF ALL EXISTING CONDUIT, WIRE, FIXTURES, AND DEVICES THAT ARE NOT SCHEDULED FOR REUSE.
- G. THIS INFORMATION REPRESENTS EXISTING CONDITIONS BASED ON ORIGINAL SITE DRAWINGS AND OBSERVED SITE CONDITIONS. NOT ALL WIRING, CONDUIT, AND DEVICES ARE SHOWN. THE CONTRACTOR SHALL FIELD VERIFY CIRCUITING, ROUTING, AND EXACT QUANTITIES. THE CONTRACTOR SHALL DISCONNECT, REMOVE, AND DISPOSE OF ALL EXISTING CONDUIT, WIRE, FIXTURES, AND DEVICES THAT ARE NOT SCHEDULED FOR REUSE.
- H. SUBMIT A LIST OF ALL ITEMS REMOVED TO OWNER. TURN SELECTED ITEMS OVER TO OWNER. LEGALLY DISPOSE OF ALL REMAINING ITEMS.
- I. COORDINATE ALL CONDUIT RUNS WITH OTHER TRADES AND EXISTING CONDITIONS PRIOR TO STARTING WORK.
- J. PROVIDE 4 1/2" SQUARE OUTLET BOX WITH 1-GANG MUD RING FOR ALL VOICE/DATA OUTLETS SHOWN. PROVIDE 1" CONDUIT FROM OUTLET BOX TO ACCESSIBLE CORRIDOR CEILING SPACE. PROVIDE PLASTIC BUSHINGS ON BOTH ENDS OF CONDUIT. COORDINATE INSTALLATION WITH VA TELECOMMUNICATIONS DEPARTMENT. PROVIDE PULL STRINGS IN ALL VOICE/DATA OUTLETS.
- K. PROVIDE ALL TEMPORARY CONNECTIONS AND CROSS CONNECTS AS REQUIRED FOR PROJECT PHASING TO MAINTAIN POWER, LIGHTING, DATA, VOICE AND PUBLIC ADDRESS SYSTEMS.

DRAWING NOTES:

1. CIRCUIT EXIT LIGHT TO EXISTING LOCAL LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING. MODIFY AND EXTEND CIRCUIT AS REQUIRED.
2. INTERLOCK DOOR WITH COMPACTOR MOTOR TO NOT ALLOW DOOR OPERATION WHILE COMPACTOR IS IN USE.
3. NOT USED.
4. MODIFY AND EXTEND EXISTING FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT AS REQUIRED AND CONNECT NEW NOTIFICATION DEVICES. MATCH EXISTING DEVICES.
5. MODIFY AND EXTEND EXISTING FIRE ALARM INITIATION DEVICE CIRCUIT AS REQUIRED TO CONNECT NEW INITIATION DEVICES. MATCH EXISTING DEVICES.
6. PROVIDE LIGHTING CIRCUIT FROM PANEL LPU-13 AS REQUIRED TO CONNECT NEW LUMINAIRES.
7. PROVIDE NEW 20A/1P CIRCUIT BREAKER IN NEW LIGHTING PANEL BEING FURNISHED BY ANOTHER CONTRACT LOCATED IN BASEMENT AREA BELOW INFILL AS REQUIRED TO CONNECT NEW EXTERIOR LUMINAIRES.
8. PROVIDE NEW 20A/1P CIRCUIT BREAKER IN NEW LIGHTING PANEL BEING FURNISHED BY ANOTHER CONTRACT LOCATED IN BASEMENT AREA BELOW INFILL AS REQUIRED TO CONNECT NEW EMERGENCY LUMINAIRES. LUMINAIRES SHALL ALSO ACT AS NIGHT LIGHTS AND WILL BE UNSWITCHED.
9. MODIFY AND EXTEND EXISTING COMPACTOR FEEDER AS REQUIRED TO REINSTALL COMPACTOR IN NEW LOCATION. RELOCATE EXISTING DISCONNECT AND COMPACTOR CONTROLLER. PROVIDE ALL REQUIRED CONTROL WIRING AND CONDUIT.
10. MODIFY AND EXTEND EXISTING BASEMENT LIGHTING CIRCUIT AS REQUIRED TO INSTALL (2) NEW TYPE FA LUMINAIRES IN AREA BELOW INFILL.
11. REINSTALL EXISTING WIRELESS ACCESS POINT IN LOCATION SHOWN.

PANELBOARD SCHEDULE										NOTES:			
NAME		LOCATION	SOURCE	RATING (AMPS)		PHASE/ WIRE	VOLTAGE	MOUNTING	UL LISTING (W/ RATING (RMS SYM. AMPS))	DESIGN MAKE	NEMA TYPE		
LPU-13		MEDICAL WASTE	BCU	MCB	MLO	3P, 4W	208 Y/120	SURFACE	10K	NQ00	1		
CMT NO.	DESCRIPTION		BREAKER	KVA LOAD			KVA LOAD			BREAKER	DESCRIPTION	CMT NO.	
				LTG	RPT	MOTOR	HTG	HTG	MOTOR	RPT	LTG		
1		LOADING DOCK REC.	20A/1P	.4					.8		20A/1P	MEDICAL WASTE REC.	2
3		MEDICAL WASTE REC.	20A/1P	.4					.4		20A/1P	U-12 PASSAGE REC.	4
5		RTU - LIGHTS	20A/1P	.2							20A/1P	CART TIPPER CONTROL	6
7		LOADING DOCK LIGHTS	20A/1P										8
9		MEDICAL WASTE LIGHTS	20A/1P								20A/3P	6-RTU-R-1	10
11		U-12 LIGHTS	20A/1P										12
13		SPARE	20A/1P								45A/3P	6-ACCUR-R-1	14
15		SPARE	20A/1P										16
17		SPARE	20A/1P										18
19		SPARE	20A/1P										20
21		SPARE	20A/1P								20A/3P	6-EF-R-1	22
23		SPARE	20A/1P										24
25		SPARE	20A/1P								20A/1P	SPARE	26
27		SPARE	20A/1P								20A/1P	SPARE	28
29		SPARE	20A/1P								20A/1P	SPARE	30
31		SPARE	20A/1P								20A/1P	SPARE	32
33		SPACE		.	.	.	.	.	.	.		SPACE	34
35		SPACE		.	.	.	.	.	.	.		SPACE	36
37		SPACE		.	.	.	.	.	.	.		SPACE	38
39		SPACE		.	.	.	.	.	.	.		SPACE	40
41		SPACE		.	.	.	.	.	.	.		SPACE	42
LEFT SIDE SUB-TOTAL				0.20	0.80	0.00	0.00	0.00	0.00	1.20	0.00	RIGHT SIDE SUB-TOTAL	
TOTAL CONNECTED LOAD				0.20	2.00	0.00	0.00	A PHASE B PHASE C PHASE			TOTAL CONNECTED LOAD PER PHASE		
DEMAND FACTOR				0.7	10+5	0.9	0.9	1.20	0.80	0.20			
ESTIMATED DEMAND				0.14	6.00	0.00	0.00	NOTES:					
TOTAL ESTIMATED DEMAND (KVA)				6.14			*						
TOTAL AMPS				17.04									

2
E201
ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

EQUIPMENT					SUPPLY					DISCONNECT SWITCH			CONTROLS				
NAME	ROOM LOCATION	HP	KW	PHASE	VOLTS	SOURCE	CIRCUIT BREAKER	WIRING FROM SOURCE TO CONTROL UNIT	WIRING FROM CONTROL UNIT TO EQUIPMENT	SWITCH AMPS	FUSE SIZE	NEMA RATING	CONTROLLER LOCATION	MOTOR STARTER/CONTROL NOTE	NEMA SIZE	NEMA RATING	NOTES
6-RTU-R-1	ROOF	2	—	3	208	LPU-13	20A/3P	3-#12 & 1-#12 E.G. IN 1/2" C	3-#12 & 1-#12 E.G. IN 1/2" C	—	—	—	AT UNIT	5,11,12,14	0	3R	A
6-ACCUR-1	ROOF	—	—	3	208	LPU-13	45A/3P	3-#8 & 1-#10 E.G. IN 3/4" C	3-#8 & 1-#10 E.G. IN 3/4" C	30	NF	3R	AT UNIT	10	—	—	A
6-EF-R-1	ROOF	1/2	—	3	208	LPU-13	20A/3P	3-#12 & 1-#12 E.G. IN 1/2" C	3-#12 & 1-#12 E.G. IN 1/2" C	—	—	—	AT UNIT	5,11,12	0	3R	A
CART TIPPER	MED WASTE	—	—	3	480	MCC-1	20A/3P	3-#12 & 1-#12 E.G. IN 1/2" C	3-#12 & 1-#12 E.G. IN 1/2" C	30	NF	3R	AT UNIT	10	—	—	A,B,C

MOTOR STARTER NOTES:

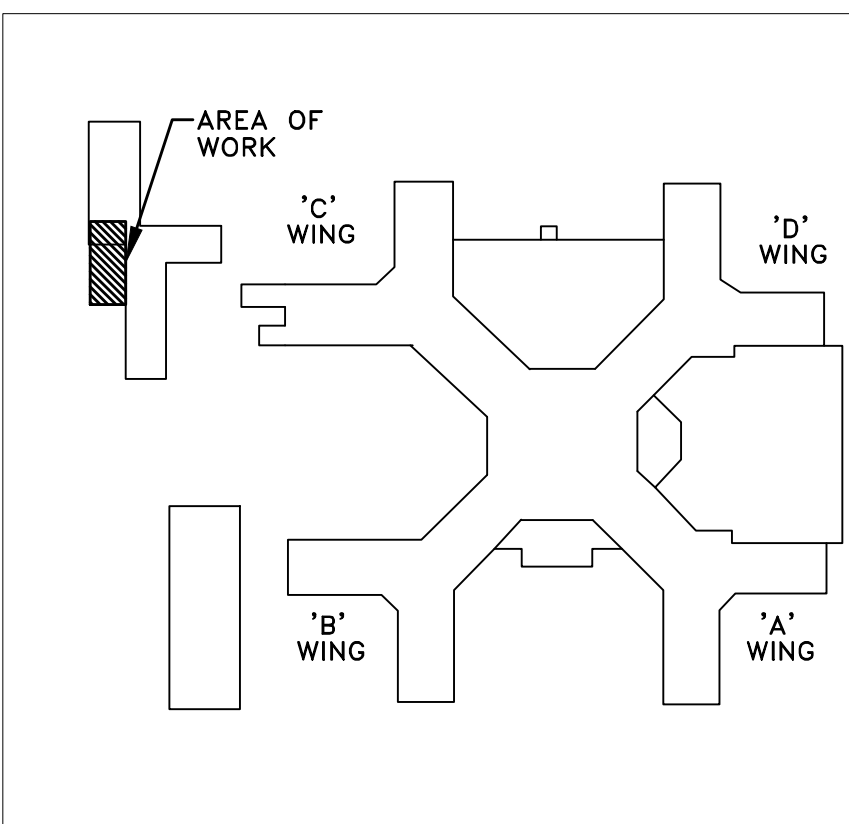
1. MOTOR RATED SWITCH
2. MANUAL MOTOR STARTER
3. MANUAL MOTOR STARTER WITH RELAY
4. MAGNETIC STARTER
5. COMBINATION MAGNETIC STARTER
6. VARIABLE FREQUENCY DRIVE
7. COMBINATION TWO SPEED MAGNETIC STARTER
8. COMBINATION REDUCED VOLTAGE MAGNETIC STARTER
9. DUPLEX CONTROLLER WITH ALTERNATOR CIRCUIT
10. PACKAGED CONTROL UNIT
11. H-0-A SELECTOR SWITCH IN COVER
12. PILOT LIGHT IN COVER
13. REMOTE START-STOP PUSHBUTTONS
14. FIRE ALARM FAN SHUTDOWN
15. LINE-VOLTAGE THERMOSTAT

NOTES:

- A. PROVIDE NEW BREAKER IN EXISTING PANEL NOTED. BREAKER TO MATCH EXISTING PANEL CONSTRUCTION.
- B. PROVIDE SEPARATE 120 VOLT DEDICATED CIRCUIT FROM A SPARE 20A/1P CIRCUIT BREAKER IN PANEL LPU-13 AND PROVIDE SEPARATE CONNECTION TO CART TIPPER CONTROLLER.
- C. MODIFY EXISTING SPARE BUCKET IN EXISTING MCC-1 LOCATED IN THE BOILER ROOM FLOOR AS REQUIRED. PROVIDE NEW BREAKER AND ALL BUCKETS CLIPS AS REQUIRED. TO FEED NEW EQUIPMENT.

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LAMP	VOLTAGE	CATALOG NO.	NOTES
FA	4' FLUORESCENT NARROW WRAPAROUND	(2) 32W	120/277	'DAYBRITE' 'OW SERIES'	
FB	ARCHITECTURAL WEDGE WALL SCONCE HEIGHT: 7.25", WIDTH: 16.25", DEPTH 9.125" NIGHT TIME FRIENDLY, TYPE III DISTRIBUTION, DARK BRONZE IN COLOR, WET LISTED WITH PHOTOCOLL	2 ENGINES 700mA DRIVER(20) LED 4000K 47 WATTS	120/277	GARDCO LIGHTING	
EX1	EXIT LIGHT, UNIVERSAL MOUNTED, LED LIGHTING	-	120	LITHONIA LIGHTING CAT. NO. ECR LED M6	



KEY PLAN
SCALE: NONE

ISSUED FOR BID Revisions		02-15-13 Date		VA WESTERN NEW YORK HEALTHCARE SYSTEM 3495 BAILEY AVENUE BUFFALO, NEW YORK 14215		ECAB engineering, p.c. 15 Schoen Place Suite 300 Buffalo, NY 14204 Phone: (585) 441-7121 Fax: (585) 362-4175 www.ecab.com		Alfomura Architectural Consulting 1260 Scottsville Road, Suite 202 Rochester, New York 14624 585-473-0669 email: Alfomura@attolnet.net		CARDIOLOGY MANAGER DATE	ENGINEERING MANAGER DATE	BASEMENT FLOOR PLAN ELECTRICAL		Project Title MEDICAL WASTE TRAILER		Date February 15, 2013	Office of Facilities Department of Veterans Affairs		
										INFECTION CONTROL DATE	CARELINE MANAGER DATE			Building Number 6		Checked EJS		Drawn TJG	Station No. 528-12-102
														MEDICAL CENTER DIRECTOR DATE				09-372-E201	
														ASSOCIATE MEDICAL CENTER DIRECTOR DATE					
						Consultant		stamp		Architect / Engineer		SAFETY OFFICER DATE		CHIEF OF STAFF DATE		Location V.A.M.C. BUFFALO, NEW YORK			